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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 2 of 2

Complete if Known

Application Number	10/697,103
Filing Date	October 31, 2003
First Named Inventor	Steven A. Rogers
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	006389.00004

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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/RCS/	22	IEEE Communications Magazine 10/2003; Topics in Internet Technology; "Packet Sequencing a Deterministic Protocol for Qos in IP Networks"; Sean S. B. Moore and Curtis A. Siller, Jr., Cetacean Networks, Inc; Abstract pp 98-107	
/RCS/	23	Self-Adjusted Network Transmission for Multimedia Data; Mei-Ling Shyu, Shu-Ching Chen, Hongli Luo; Abstract; 6pages;	
/RCS/	24	The Problem of Upstream Traffic Synchronization in Passive Optical Networks; Glen Kramer; Abstract pp 1-7;	

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		Filing Date	October 31, 2004
		First Named Inventor	Steven A. Rogers
		Group Art Unit	2661
		Examiner Name	TBA
Sheet 1 of 2	Attorney Docket Number	006389.00004	

U.S. PATENT DOCUMENTS					
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		Number - Kind Code ² (if known)			
/RCS/	1	US2003/0107991 A1	6/2003	Tezuka et al.	
/RCS/	2	US2004/0024550	2/2004	Doerken et al.	
/RCS/	3	US2003/0117959 A1	6/2003	Taranov	

FOREIGN PATENT DOCUMENTS						
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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

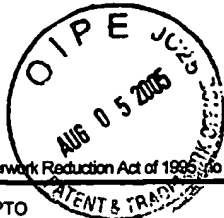
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/RCS/	4	CLARK, M; JEFFAY, K; Application -level Measurements of Performance on the vBNS Multimedia Computing and Systems, 1999. IEEE International Conference on June 1999, Vol 2, 7-11, pp 362-366 vol.2	

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		Number - Kind Code ² (if known)			
IRCS	1	US-5,271,000 A	12/1993	Engbersen et al.	
	2	US-5,373,504	12/1994	Tanaka et al.	
	3	US-5,408,465	4/1995	Gusella et al.	
	4	US-5,432,775	7/1995	Crayford	
	5	US-5,477,531	12/1995	McKee et al.	
	6	US-5,517,620	5/1996	Hashimoto et al.	
	7	US-5,563,875	10/1996	Hefel et al.	
	8	US-5,610,903	3/1997	Crayford	
	9	US-5,781,534	7/1998	Perfman et al.	
	10	US-5,859,835	1/1999	Anujan Varma	
	11	US-5,974,056	10/1999	Wilson et al.	
	12	US-6,067,572	5/2000	Jensen et al.	
	13	US-6,134,589	10/2000	Hultgren	
	14	US-6,373,822 B1	4/2002	Raj et al.	
	15	US-6,487,593 B2	11/2002	Banks	
	16	US-6,498,477 B1	12/2002	Perkins et al.	
	17	US-6,529,480 B1	3/2003	Stewart et al.	
	18	US-6,618,360 B1	9/2003	Scoville et al.	
	19	US-6,711,137 B1	3/2004	Klassen et al.	
	20	US-6,731,600 B1	5/2004	Patel et al.	
	21	US-2002/0186660 A1	12/2002	Bahadiroglu	
	22	US-6,778,536 B1	8/2004	Ofek et al.	
	23	US-2001/0033565 A1	10/2001	Rogers	
	24	US-2001/0033649 A1	10/2001	Rogers	
	25	US-4,745,593A	5/1998	Stewart	
	26	US-426,944 B1	7/2002	Moore	
	27	US-2003/0218029 A1	11/2003	Pickett	
	28	US-2004/0160340	10/2004	Thomson et al.	
	29	US-2004/0008655	1/2004	Park et al.	
	30	US-2002/0010792 A1	1/2002	Border et al.	
	31	US-4,821,259	4/1999	DeBruler et al.	
	32	US-5,541,921	7/1996	Swenson et al.	
	33	US-5,734,656	3/1998	Prince et al.	
	34	US-5,774,668	6/1998	Choquier et al.	
	35	US-6,047,054	4/2000	Bayless et al.	
	36	US-6,058,117	5/2000	Ennamorato et al.	
	37	US-6,088,361	7/2000	Hughes et al.	
	38	US-6,208,868	3/2001	Lawrence et al.	
	39	US-6,240,084 B1	5/2001	Oran et al.	
	40	US-6,247,061	6/2001	Douceur et al.	
	41	US-6,377,579 B1	4/2002	Ofek	
	42	US-6,385,198 B1	5/2202	Ofek et al.	
	43	US-6,560,222 B1	5/2003	Pounds et al.	
	44	US-2003/0188188 A1	10/2003	Padmanabhan et al.	
	45	US-2004/0179530 A1	9/2004	Verbesselt et al.	
	46	US-2004/0014491 A1	1/2004	Weigand	
	47	US-2002/0054611 A1	9/2002	Seta	

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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)					
/RCS/	48	WO 01/47162 A1		06/28/2001	Cetacean Networks, Inc.		
/RCS/	49	WO 01/50146 A1		07/12/2001	Cetacean Networks, Inc.		
/RCS/	50	WO 01/59994 A1		08/16/2001	Cetacean Networks, Inc.		
/RCS/	51	WO 01/60029 A1		0/16/2001	Cetacean Networks, Inc.		
/RCS/	52	WO 02/100023 A2		12/12/2002	Cetacean Networks, Inc.		
/RCS/	53	WO 03/084137 A2		10/9/2003	Shay et al		
/RCS/	54	JP 04/056322 A		2/19/2004	Hirayama		
/RCS/	55	EP 0827307 A2		3/4/1998	Marin et al		

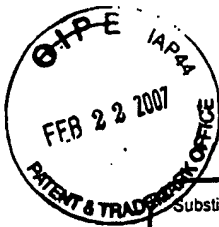
OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
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/RCS/	56	Business Communications Review; 9/2003; "Circuit-y New Choices for IP Networks" pp 18-24	
/RCS/	57	Packet Sequencing: A Layer -2 Wan Switching Technology for Per-Flow Ideal QoS and Secure IP Networking; Steven A. Rogers, Sean S.B. Moore and Curtis A. Siller, Jr.; Abstract pp 1-6;	
/RCS/	58	Cetacean Networks; www.cetacean.com ; "Cost-Effective IP Networks for High Quality Videoconferencing" 11/2002; PP 1-9	
/RCS/	59	Copyright @ 2003, Cetacean Networks, Inc.; "A Deterministic Protocol for QoS in IP Networks: Packet Sequencing; Steven A. Rogers, Sean S.B. Moore, Ph.D. and Curtis A. Siller, Jr. Ph.D.; Abstract pp 1-18	
/RCS/	60	Copyright @ 2003; Packet Sequencing: IP Networks; Sean S.B. Moore, Ph.D.; Cetacean Networks, Inc.; pp 98-107	
/RCS/	61	Copyright @ 2001; Practical Limits on Network Utilization in Converged IP Networks; Sean S.B. Moore, Ph.D.; Cetacean Networks, Inc.; pp 1-2	
/RCS/	62	Distributed Path Reservation Algorithms for Multiplexed all-Optical Interconnection Networks; X. Yuan, R. Meihem and R. Gupta; Abstract; 10 Pages.	
/RCS/	63	Cetacean Networks; www.cetacean.com ; "Cost-Effective IP Networks for High Quality Videoconferencing" 11/2002; pp 1-9	
/RCS/	64	The Desk Area Network; Mark Hayter and Derek McAuley; 5/1991; Abstract pp 11	
/RCS/	65	Clark, M; Jeffay, K; Application - level Measurements of Performance on the vBNS Multimedia Computing and Systems; 1999; IEEE International Conference on June 1999, Vol. 2, 7-11, pp. 362-366 vol. 2	

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First Named Inventor	Steven A. Rogers
Art Unit	2661
Examiner Name	TBA
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/RCS/	1	US- 6,480,506	11-12-2002	GUBBI	
/RCS/	2	US- 2005/0058083	03-17-2005	ROGERS	
/RCS/	3	US- 2005/0086362	04-21-2005	ROGERS	
		US-			
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/RCS/	4	PCT International Search Report dated May 24, 2006.	

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